

### **TSG Subcommittee: Uncertainty Factors in Noncancer Risk Assessment**

**Chair: Robert Sills**

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**Committee Members:**

Christina Rose Bush (MDCH)

Dennis Bush

Mary Lee Hultin

Deborah Mackenzie-Taylor

Aphrodite Nikolovski

Margaret Sadoff

This subcommittee is charged with determining if an uncertainty factor (UF) for database insufficiency should be considered and applied by MDEQ toxicologists when deriving non-cancer toxicity values, such as oral reference doses (RfDs) and inhalation reference concentrations (RfCs). This database uncertainty factor (UFd) is designed to account for the potential of deriving an under-protective RfD/RfC as a result of an incomplete characterization of a substance's toxicity.

### **TSG Subcommittee: Mixtures and Cumulative Risk**

**Chair: Robert Sills**

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**Committee Members:**

Dennis Bush

Gary Butterfield

Christine Flaga

Brian Hughes (MDA)

Erik Janus (MDCH)

Deborah Mackenzie-Taylor

This subcommittee is charged with evaluating the available approaches for performing risk assessment for exposures to mixtures of substances as well as cumulative exposure and risks. This subcommittee will consider how and if these approaches may be appropriately applied in the MDEQ regulatory programs.

#### **TSG Subcommittee: Clandestine Drug Lab Committee**

**Chair: Christine Flaga**

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**Committee Members:**

Erik Janus (MDCH)

Aphrodite Nikolovski

This subcommittee is charged with supporting PA 307, legislation that mandates MDEQ to write an exposure standard for re-occupancy of former clandestine drug labs. The committee will investigate and determine a human exposure standard initially for methamphetamine, but will explore possible other standards as needed to implement the legislation.

#### **TSG Subcommittee: Polybrominated Diphenyl Ethers (PBDEs)**

**Chair: Christine Flaga**

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**Committee Members:**

Dennis Bush

Kory Groetsch (MDCH)

Deborah Mackenzie-Taylor

Catherine Simon

This subcommittee is charged with providing department management with relevant information such that they can make sound decisions related to PBDEs. The primary issues are 1) should MDEQ place PBDEs on the Critical Materials Register? and 2) should MDEQ support legislation to ban PBDEs in Michigan?

#### **TSG Subcommittee: Children's Environmental Health**

**Chair:** Mary Lee Hultin  
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**Committee Members:**

Christina Rose Bush (MDCH)  
Michael Depa  
Brian Hughes (MDA)  
Rochelle Inglis  
Anne Kim  
Amy Merricle  
Amy Perbeck

This subcommittee is charged with tracking developments in the area of children's environmental health and making recommendations to the TSG for incorporation into human health risk assessment procedures, as appropriate.

#### **TSG Subcommittee: Lead**

**Chair:** Rochelle Inglis  
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**Committee Members:**

Michael Depa  
Linda Dykema  
Christine Flaga  
Amy Merricle  
Amy Perbeck  
Robert Sills

This subcommittee is charged with determining if the Part 201 generic residential soil direct contact and drinking water criteria for lead are protective and to determine the most appropriate fraction of soil to use for lead analysis.

## **TSG Subcommittee: Probabilistic Risk Assessment**

**Chair:** Deborah Mackenzie-Taylor

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**Committee Members:**

Shannon Briggs

Christine Flaga

Rochelle Inglis

Robert Sills

This subcommittee is charged with assisting in the development of staff guidance for evaluating probabilistic risk assessments submitted to the MDEQ and to assist with the review of this type of risk assessment as needed. A draft guidance on Monte Carlo analysis, a specific type of PRA, has been developed.

## **TSG Subcommittee: Trichloroethylene (TCE) Toxicity Assessment Review**

**Chair:** Amy Merricle

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**Committee Members:**

Gary Butterfield

Dennis Bush

Christina Rose Bush (MDCH)

The formation of a TCE subcommittee was initiated to address public comments received regarding the Part 201 criteria for TCE proposed in the 2001 draft Part 201 Administrative Rules. The objective of this subcommittee was to conduct an expedited review of the external review draft document published by EPA (2001) titled, "Trichloroethylene Health Risk Assessment: Synthesis and Characterization (EPA HRA)", to determine if the Part 201 generic cleanup criteria should be updated prior to promulgation in the Part 201 Administrative Rules. The TCE Subcommittee recommended that the Part 201 criteria for TCE should not be changed prior to promulgation of the Part 201 Administrative Rules because of concerns raised by EPA's Science Advisory Board regarding the development of the oral and inhalation toxicity values for TCE included in the TCE HRA. The Part 201 criteria for TCE are now promulgated into rule (December, 2002). The draft TCE HRA is currently under review by the National Academy of Science and final toxicity values for TCE are not expected to be published in EPA's Integrated Risk Information System (IRIS) until 2007 or 2008. The TCE Subcommittee will continue to track the status of the TCE HRA and the latest scientific findings related to the toxicity of TCE.

#### **TSG Subcommittee: Dioxin Review**

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**Committee Members:**

Shannon Briggs

Linda Dykema (MDCH)

Christine Flaga

Robert Sills

This subcommittee is charged with reviewing the MDEQ standards and criteria for dioxin and dioxin-like compounds. As part of this review, this subcommittee has been following the EPA's efforts in the reassessment of the toxicity and health risks associated with these compounds.

#### **TSG Subcommittee: Cancer Risk Assessment**

**Chair:** Catherine Simon

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**Committee Members:**

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Robert Sills

This subcommittee is charged with evaluating issues dealing with cancer risk assessment methodologies. A major focus of review and evaluation has been the U.S. Environmental Protection Agency's Guidelines for Carcinogen Risk Assessment.